AMENDMENTS TO THE CLAIMS:

1. (Original) A microporous polyethylene film, comprising a blend that comprises a high density polyethylene copolymer which has a melt index (MI) of 0.1 to 100 and a content of an α-olefin unit with 3 or more carbon atoms of 0.1 to 1% by mole; and a high density polyethylene which has a viscosity average molecular weight (Mv) of at least 500000 to 5000000, wherein the blend has an Mv of 300000 to 4000000 and a content of an α-olefin unit with 3 or more carbon atoms of 0.01 to 1% by mole.

2. (Canceled)

3. (Canceled)

4. (Previously presented) The microporous polyethylene film according to claim 1, wherein the α-olefin is propylene.

5. (Previously presented) The microporous polyethylene film according to claim 1, wherein the polyethylene having an Mv of 500000 to 5000000 is a blend of two or three kinds selected from the following polyethylenes (A), (B), and (C):

(A) the polyethylene having an Mv of 1500000 or more and less than 5000000;

(B) the polyethylene having an Mv of 600000 or more and less than 1500000; and

(C) the polyethylene having an Mv of 250000 or more and less than 600000.

6. (Canceled)

7. (Previously presented) The microporous polyethylene film according to claim 1, having a film rupture temperature of 150°C or higher.

8. (Previously presented) The microporous polyethylene film according to claim 1, having a shrinkage force at 150°C of 2N or less.

9. (Previously presented) The microporous polyethylene film according to claim 1, having a fusing temperature of 140°C or lower.

10. (Previously presented) The microporous polyethylene film according to claim 1, having a thickness 5 to 24 μm.

11. (Previously presented) The microporous polyethylene film according to claim 1, having a porosity of 30 to 70%.

12. (Previously presented) The microporous polyethylene film according to claim 1, having an air permeability of 100 seconds or more and 600 seconds or less.

13. (Original) A battery separator, comprising a microporous film according to any one of claims 1 to 12.

14. (Previously presented) A microporous polyethylene film according to claim 1, which has a weight fraction measured by GPC of a component having a molecular weight of 1000000 or more of 1 to 40%, and a weight fraction measured by GPC of a component having a molecular weight of 10000 or less of 1 to 40%, the component having a molecular weight of 10000 or less has a content of an α-olefin unit with 3 or more carbon atoms of 0.1 to 1% by mole.

15. (Previously presented) The microporous polyethylene film according to claim 14, wherein the α-olefin is propylene.

16. (Previously presented) The microporous polyethylene film according to claim 14, wherein the polyethylene having an Mv of 500000 to 5000000 is a blend of two or three kinds selected from the following polyethylenes (A), (B) and (C):

(A) the polyethylene having an Mv of 1500000 or more and less than 5000000;

(B) the polyethylene having an Mv of 600000 or more and less than 1500000; and

(C) the polyethylene having an Mv of 250000 or more and less than 600000.

17. (Previously presented) The microporous polyethylene film according to claim 14, wherein the polyethylene having an Mv of 500000 to 5000000 is an ultrahigh molecular weight polyethylene having an Mv of 1500000 or more.

18. (Previously presented) The microporous polyethylene film according to claim 14, having a film rupture temperature of 150°C or higher.

19. (Previously presented) The microporous polyethylene film according to claim 14, having a shrinkage force at 150°C of 2N or less.

20. (Previously presented) The microporous polyethylene film according to claim 14, having a fusing temperature of 140°C or lower.

21. (Previously presented) The microporous polyethylene film according to claim 14, having a thickness 5 to 24 μm.

22. (Previously presented) The microporous polyethylene film according to claim 14, having a porosity of 30 to 70%.

23. (Previously presented) The microporous polyethylene film according to claim 14, having an air permeability of 100 seconds or more and 600 seconds or less.

24. (Previously presented) A battery separator, comprising a microporous film according to any one of claims 14 to 23.